

FIG. 1

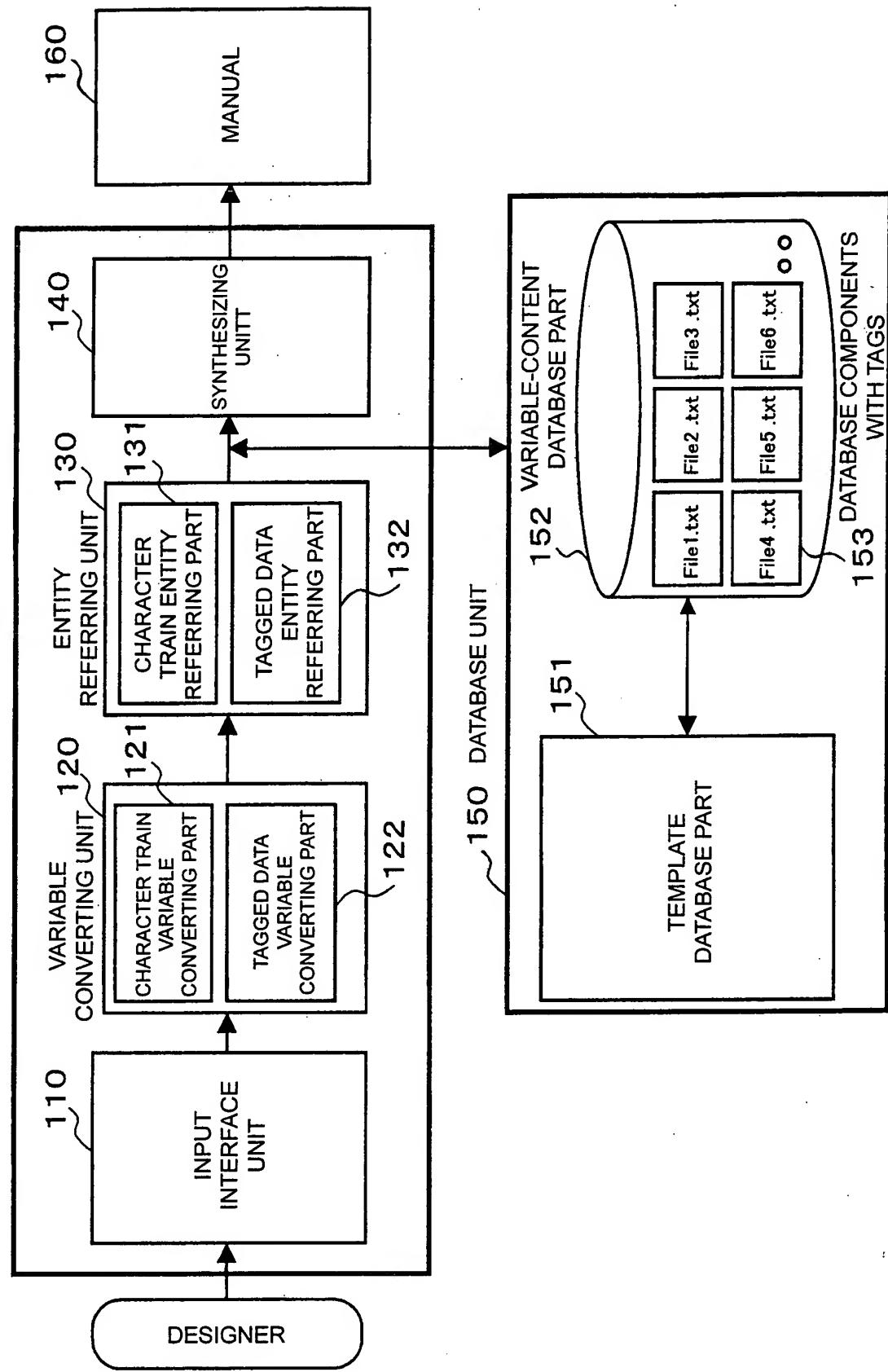


FIG. 2

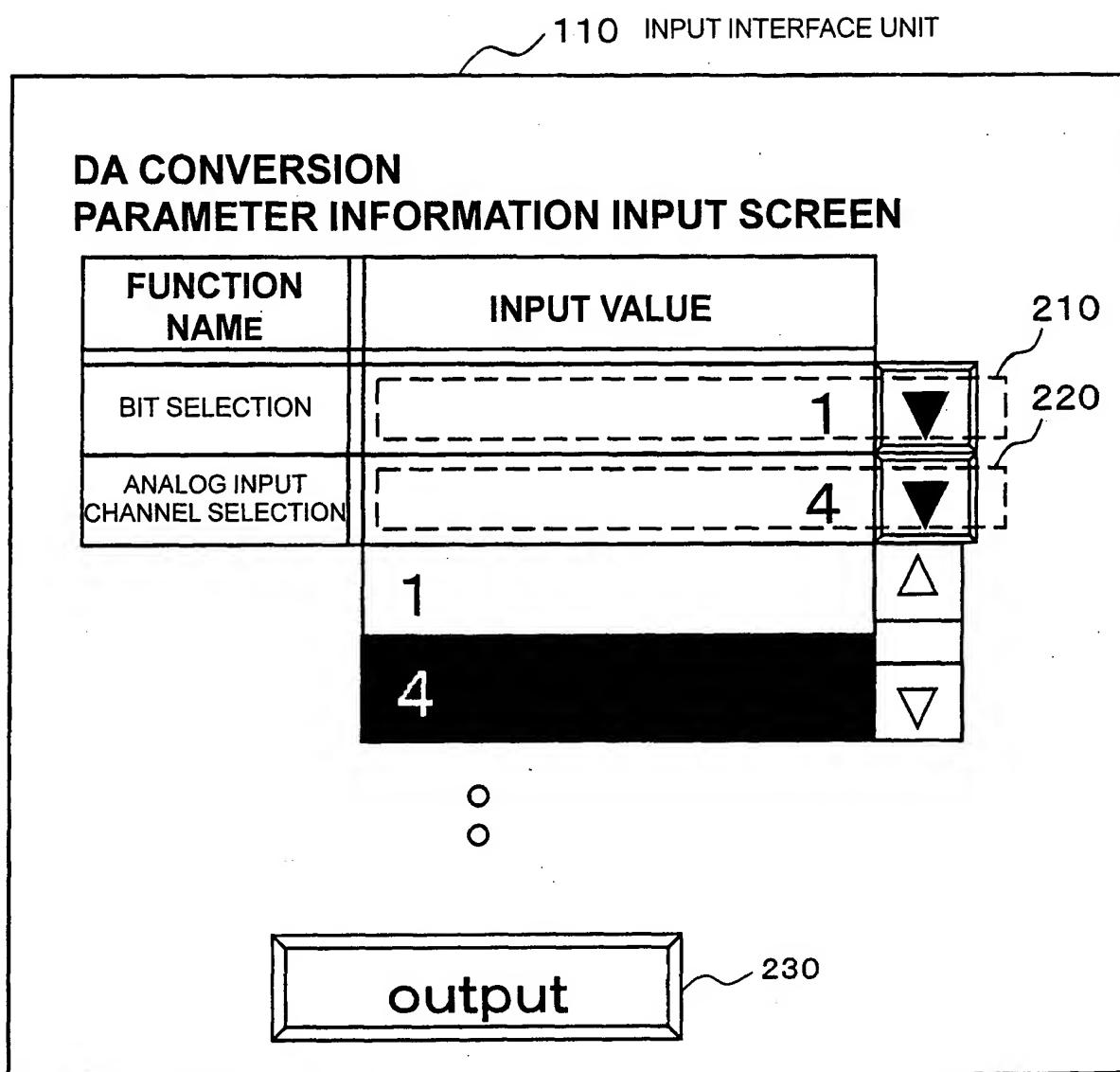


FIG. 3

120 VARIABLE CONVERTING UNIT

VARIABLE A	CONDITIONAL EXPRESSION A	DEFINITION A	121
Var-1	CONDITIONAL EXPRESSION OF VAR-1 WHEN BIT SELECTION = "0" \Rightarrow "8" WHEN BIT SELECTION = "1" \Rightarrow "10"	10	
Var-P1	CONDITIONAL EXPRESSION OF VAR-P1 WHEN ANALOG INPUT CHANNEL SELECTION = "1" \Rightarrow "NO DISPLAY" WHEN ANALOG INPUT CHANNEL SELECTION = "4" \Rightarrow "DISPLAY"	file1.txt	122

F | G. 4

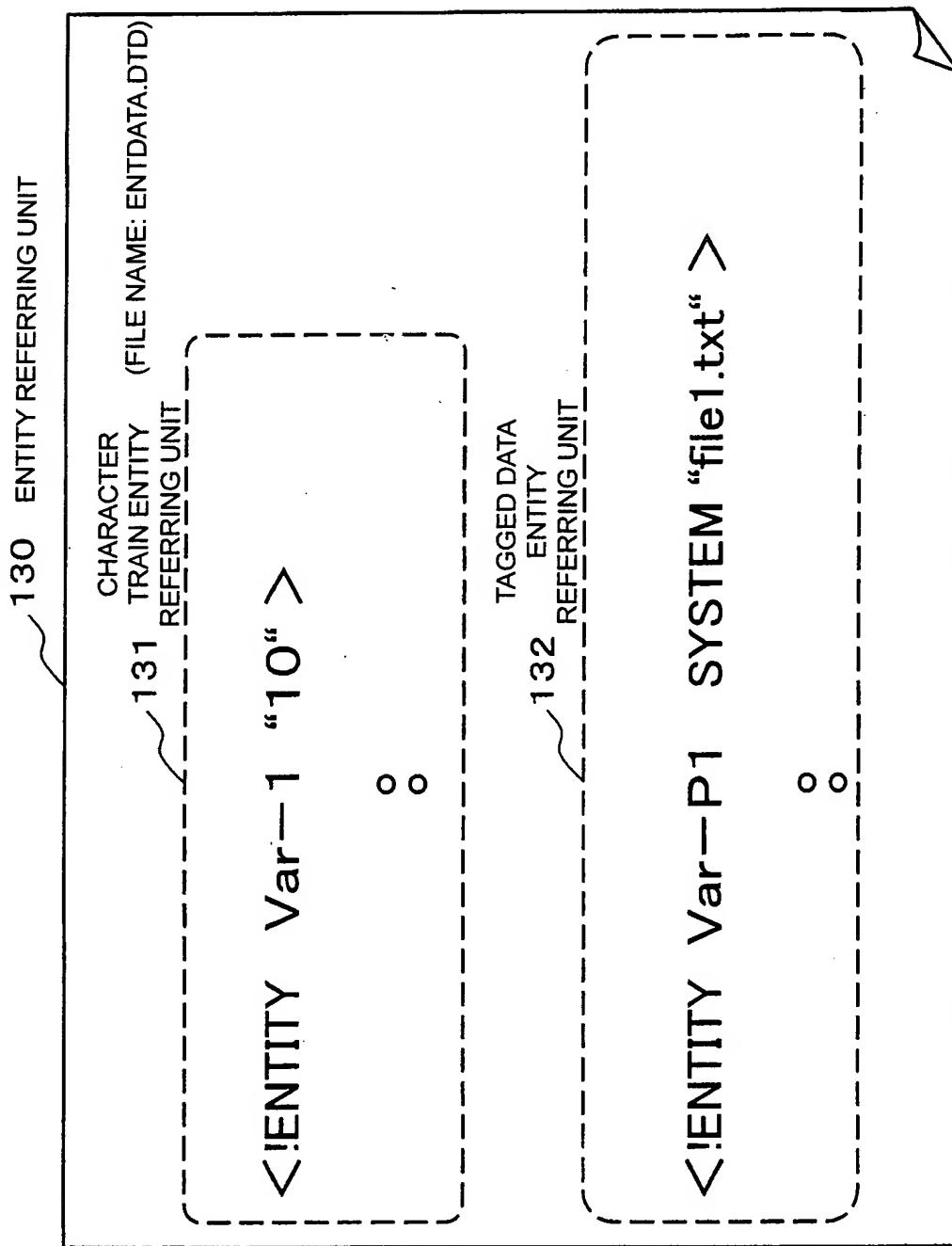


FIG. 5

151 TEMPLATE/DATABASE PART

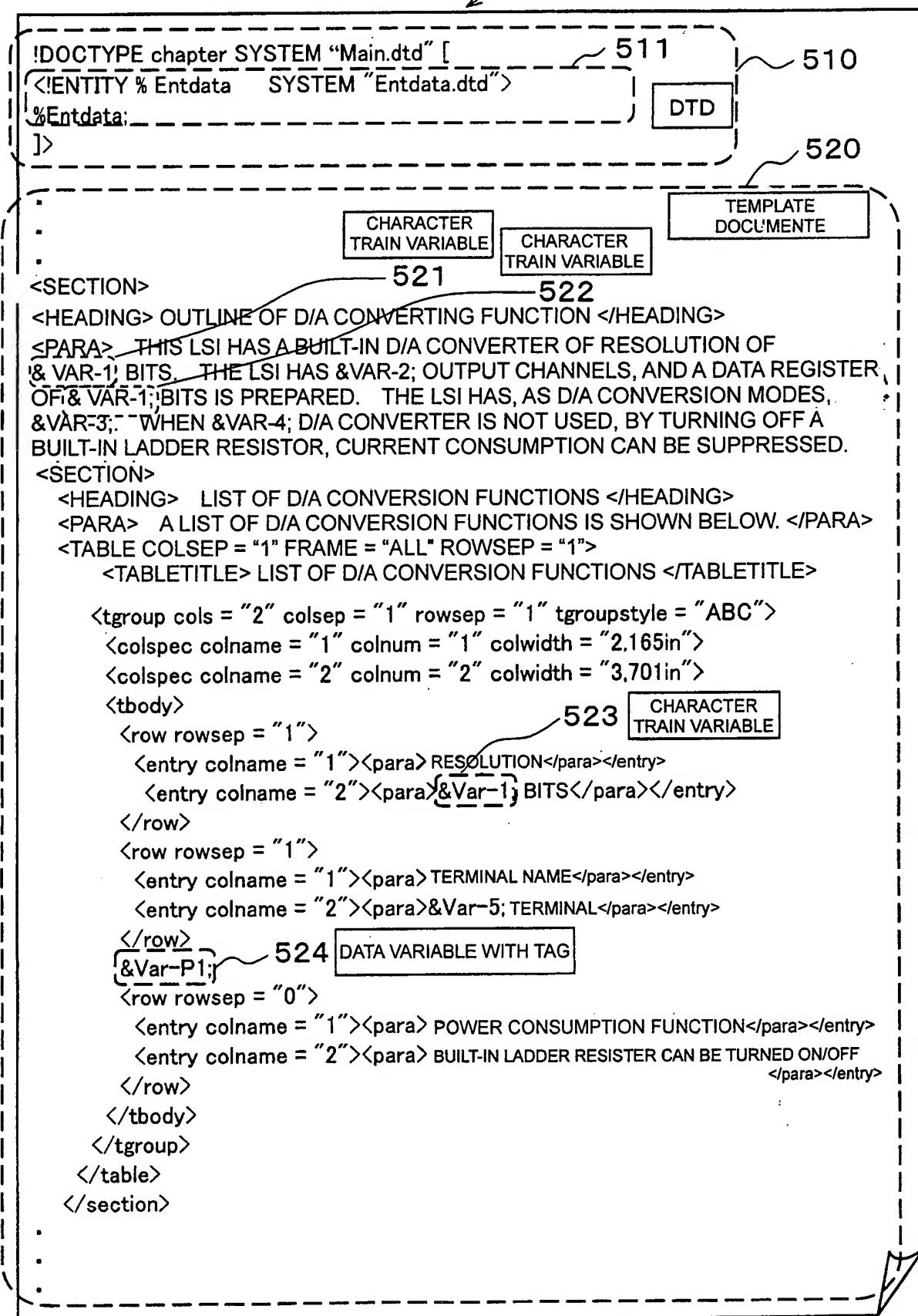


FIG. 6

153 DATABASE COMPONENT WITH TAG

(FILE NAME: FILE1.TXT) FILE CORRESPONDING TO VAR-P1

```
<row rowsep = "1">
<entry colname = "1"><para> D/A CONVERSION CHANNEL MONITOR</para></entry>
<entry colname = "2"><para> CHANNEL 0 TO CHANNEL 3</para>
</entry>
</row>
<row rowsep = "1">
<entry colname = "1"><para> SCAN CLOCK SELECTION</para></entry>
<entry colname = "2"><para> fs/16, fs/32, fs/64, fs/128</para></entry>
</row>
<row rowsep = "1">
<entry colname = "1"><para> D/A CONVERSION MODE SELECTION</para></entry>
<entry colname = "2"><para> FIXED CONVERSION MODE, 2-CHANNEL CONVERSION, 4-CHANNEL
CONVERSION</para></entry>
</row>
```

FIG. 7

160 MANUAL

1.1 OUTLINE OF D/A CONVERSION FUNCTIONS



THIS LSI HAS A BUILT-IN D/A CONVERTER OF RESOLUTION OF 10BITS. THE LSI HAS 4 OUTPUT CHANNELS, AND A DATA REGISTER OF 10BITS IS PREPARED. THE LSI HAS, AS D/A CONVERSION MODES, A CHANNEL FIXED CONVERSION MODE, A 2-CHANNEL FIXED CONVERSION MODE, AND A 4-CHANNEL CONVERSION MODE. IN THE 2-CHANNEL CONVERSION MODE OR 4-CHANNEL CONVERSION MODE, THE CHANNEL CAN BE CHANGED. WHEN D/A CONVERTER IS NOT USED, BY TURNING OFF A BUILT-IN LADDER RESISTOR, CURRENT CONSUMPTION CAN BE SUPPRESSED.

1.1.1 LIST OF D/A CONVERSION FUNCTIONS

A LIST OF D/A CONVERSION FUNCTIONS IS SHOWN BELOW.

Diagram showing the relationship between Entity 712 and a table of D/A conversion functions, and Entity 720.

RESOLUTION	10BITS
TERMINAL NAME	DADR31 TO DADR00 TERMINALS
D/A CONVERSION CHANNEL MONITOR	CHANNELS 0 TO 3
SCAN CLOCK SELECTION	fs/16, fs/32, fs/64, fs/128
D/A CONVERSION MODE SELECTION	FIXED CONVERSION MODE, 2-CHANNEL CONVERSION, 4-CHANNEL CONVERSION
POWER CONSUMPTION FUNCTION	BUILT-IN LADDER RESISTER CAN BE TURNED ON/OFF

Entity 712 is connected to the table, and Entity 720 is connected to the table.

FIG. 8

